



# COMMONWEALTH of VIRGINIA

*Department of Health*  
*DIVISION OF SHELLFISH SANITATION*  
109 Governor Street, Room 614-B  
Richmond, VA 23219

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## **WARWICK RIVER AND DEEP CREEK City of Newport News and York County Growing Area #058 Shoreline Sanitary Survey**

Date: October 17, 2005  
Survey Period: June 3, 2005 – September 9, 2005  
Total Number of Properties Surveyed: 165  
Surveyed By: J.D. Dickerson

### **SECTION A: GENERAL**

This survey area extends from Reference Point 58 at Blunt Point to Reference Point 59 at Mulberry Point, including the James River shoreline between these two points, Warwick River, Fisher's Creek (Lake Corbin), Deep Creek (Yoder Pond), Thorofare, Lucas Creek, Stony Run, Island Creek, Butler's Gut, Jail Creek, Swash Hole, Morrisons Creek, Fort Creek and all of their tributaries.

Topography of the area is characterized by elevations ranging from less than 10' in the area west of the Warwick River (Mulberry Island) to about 35' east of the Warwick River (Deep Creek vicinity). From the Blunt Point reference point along the eastern shoreline of the Warwick River to Thorofare Point are bluffs of 10' to 25' with large marshy areas at most intersecting tributaries. Above Thorofare Point there are large areas of marsh on both shorelines. The Mulberry Island section of the survey area contains low elevations with large areas of marshlands. Mulberry Island is also home to the Fort Eustis Military Reservation. The majority of Fort Eustis is now sewered and is connected to the Hampton Roads Sanitation District (HRSD) sewerage system with treatment at the James River Sewage Treatment Plant. The base still has 5 active on-site septic tanks which were functioning properly at the time of inspection. A majority of the residences and businesses in the survey area are also served by HRSD with small pockets of on-site septic systems still in existence. There has been a significant decrease in properties with septic-tanks within the survey boundary due to expanded public sewerage system availability.

Meteorological data indicated that 1.86" of rain fell June 3-30, 4.83" in July, 3.91" in August and 0.00" September 1-9 for a total rainfall of 10.60" for the survey period.

Since the previous survey the Fort Eustis Sewage Treatment Plant has been demolished and the base is now connected to the HRSD sewerage system. The former site of the plant is now being monitored for contamination as part of the Installation Restoration Program (IRP). This program includes 27 sites situated throughout the base which have been designated as superfund sites in need of monitoring and remediation. 13 of the 27 sites are located within this survey boundary. Information on the IRP program as well as the locations of the relevant sites is included in an attachment to this report. Information concerning industrial activity on Fort Eustis was obtained through conversations and site visit with Susan Miller and Daniel Musel, Environmental and Natural Resources Division, Department of Public Works.

The current restrictions on shellfish harvesting are Condemned Shellfish Area #34, Warwick and James Rivers, effective 1 October 1993. A copy of the current condemnation notices and maps are attached to the back of this report.

This report lists only those properties that have a sanitary deficiency or have other environmental significance. "DIRECT" indicates that the significant activity or deficiency has a direct impact on shellfish waters. Individual field forms with full information on properties listed in this report are on file in the Richmond Office of the Division of Shellfish Sanitation and are available for reference until superseded by a subsequent survey of the area. Data in the report is also made available to local health departments and other agencies to address items that may be out of compliance with their regulatory programs.

## **SECTION B: SEWAGE POLLUTION SOURCES**

### **SEWAGE TREATMENT FACILITIES**

8. ***DIRECT*** - Occupant: James River Sewage Treatment Plant, 111 City Farm Road, Newport News 23602. Owner: Hampton Roads Sanitation District, 1436 Air Rail Avenue, Virginia Beach 23455. Has VPDES permit #VA0081272 from Department of Environmental Quality. Design flow of 20 MGD. Treatment consists of screening/comminution, grit removal, primary and secondary sedimentation, activated sludge, anaerobic digestion, chlorination and dechlorination with final discharge to the James River. The most recent DEQ inspection report is attached.

### **ON-SITE SEWAGE DEFICIENCIES**

-None-

### **POTENTIAL POLLUTION**

11. Location: 335 Old Grist Mill Road, Newport News 23602. Dwelling- red brick 1 story with white trim. No contact. Ground dug up exposing distribution box. No evidence of failure at time of survey.

## **SECTION C: NON-SEWAGE WASTE SITES**

### **INDUSTRIAL WASTES**

12. ***DIRECT*** - United States Army Transportation Center, Environmental and Natural Resources Division, 1407 Washington Boulevard, Fort Eustis 23604. Military- Army base with approximately 14,000 civilian and enlisted personnel. Has permit #VA0025216 from Department of Environmental Quality for discharge of stormwater through 81 individual outfalls. Quarterly visual inspections are required on all outfalls associated with regulated industrial activities. Outfall #076 (located at the James River Reserve Fleet area) is sampled and tested quarterly during rain events.
12. United States Army Transportation Center, Environmental and Natural Resources Division, 1407 Washington Boulevard, Fort Eustis 23604. Military- Army base with approximately 14,000 civilian and enlisted personnel. Located on site are numerous above ground storage tanks (2 X 4000 gal., 2 X 1000 gal., 41 X 500 gal., 1 X 360 gal., 5 X 300 gal., 4 X 250 gal. and 5 X 110 gal. tanks for a total storage capacity of 33,910 gallons. Information on location, contents and type of containment are included in the AST attachment.

## **SOLID WASTE DUMPSITES**

-None-

## **SECTION D: BOATING ACTIVITY**

### **MARINAS**

2. James River Dry Storage Marina (James River Marine Incorporated), 665 Deep Creek Road, Newport News 23606. Commercial Marina. No contact. 24 slips and 176 dry storage spaces available. Present at time of inspection was 1 boat under 26' and 23 boats over 26' in wet slips; and in dry storage there were 98 boats under 26'. Boating services provided include fuel, electricity, water and repair. Sanitary facilities provided are 1 commode, 1 urinal, 1 lavatory and 1 shower for men; and for women there is 1 commode, 1 lavatory and 1 shower. Sewage disposal is to HRSD. There are no portable toilet dump station facilities at this location. This location is exempt from the requirement to provide boat holding tank pump out facilities.
3. Warwick Yacht and Country Club (Warwick Yacht and Country Club Corporation), 400 Maxwell Lane, Newport News 23606. Private yacht club. No contact. 101 slips or moorings and 65 dry storage spaces available. Present during most recent inspection were 4 boats under 26' and 41 boats over 26' in wet slips; and in dry storage there were 1 boat under 26' and 4 boats over 26'. Boating services provided include electricity, water and ramp. Sanitary facilities provided are 5 commodes, 6 lavatories, 6 urinals and 5 showers for men; and for women there are 7 commodes, 5 lavatories and 6 showers. Sewage disposal is to HRSD. There are no boat holding tank pump-out facilities and no portable toilet dump stations facilities at this location.
4. Deep Creek Landing Marina, 200 Old Marina Road, Newport News 23602. Owner: Randy Abbitt, 340 Prince Drew Road, Newport News 23606. Private marina. No contact. 82 slips available. Present during most recent inspection were 69 boats under 26'. Boating services provided include fuel, electricity, water, repairs and ramp. Sanitary facilities provided are 1 commode, 1 lavatory, 1 urinal and 1 shower for men; and for women there are 1 commode, 1 lavatory and 1 shower. There is also 1 unisex bathroom with 1 commode and 1 lavatory. Sewage disposal is to HRSD. Boat holding tank pump out facilities and portable toilet dump station facilities are available at this location.
6. Menchville Marine Supply Corporation, 524 Menchville Road, Newport News 23602. Owner: City of Newport News, 2400 Washington Avenue, Newport News 23607. Public dock for mooring of oyster and crab boats. No contact. 25 slip or moorings and 6 dry storage spaces available. Present during most recent inspection were 6 work boats over 26'. The only boating service in a ramp. Sanitary facilities provided are 1 portable toilet. There are no boat holding tank pump out facilities and no portable toilet dump station facilities at this location.

### **OTHER PLACES WHERE BOATS ARE MOORED**

1. Deep Creek City Pier, End of Deep Creek Road, Newport News 23606. Owner: City of Newport News, 2400 Washington Avenue, Newport News 23606. Public Pier. No contact. 33 slips and moorings available. Present at time of inspection were 5 boats over 26'. Electricity is the only service provided. At this time there are no sanitary facilities, no portable toilet dump station facilities and no boat holding tank pump out facilities at this location.

### **UNDER SURVEILLANCE**

5. Christopher Newport Sailing Center, 494 Menchville Road, Newport News 23606. Owner: Christopher Newport University, 50 Shoe Lane, Newport News 23606. Dock and storage area for sailing team vessels. No contact. 19 slips or moorings available. Present during most recent inspection were 23 boats under 26' (19 of these were small sailing vessels. Boating services provided include electricity and water. Sanitary facilities include 2 commodes and 2 lavatories for men; and for women there are 2 commodes and 2 lavatories. Sewage disposal is to HRSD. There are no boat holding tank pump out facilities and no portable toilet dump station facilities at this location.
10. Denbigh Park (Hoopes Landing), 10 Denbigh Boulevard, Newport News 23608. Owner: City of Newport News, Department of Parks, Recreation and Tourism, 700 Town Center Drive, Suite 320, Newport News 23606. Public park and boat ramp. No contact. 2 moorings available. No boats were present at time of survey. Boating services provided include electricity and ramp. The only sanitary facility is 1 portable toilet. There are no boat holding tank pump out facilities and no portable toilet dump station facilities at this location.

### **SECTION E: CONTRIBUTES ANIMAL POLLUTION**

7. Occupant: Newport News City Farm, 100 City Farm Road, Newport News 23609. Owner: City of Newport News, 2400 Washington Avenue, Newport News 23602. Public- Prison Farm with approximately 25-30 employees and a maximum inmate capacity of 250. Present at time of survey were 10 cows and 2 mules in fenced pasture with no direct access to tidal waters. Manure is left on the ground to decay.
9. Location: 567 Colony Road, Newport News 23602. Dwelling- white vinyl siding 2 story farm house. No contact. House is served by HRSD. Present at time of survey were 12 horses in fenced pasture approximately 200 yards from a non-tidal pond that drains to the Warwick River. Unknown if animals have direct access to pond. Manure is left on the ground to decay.

## SUMMARY

Area #58  
Warwick River and Deep Creek  
October 17, 2005

### SECTION B: SEWAGE POLLUTION SOURCES

#### 1. SEWAGE TREATMENT FACILITIES

- 1 - DIRECT - # 8
- 0 - INDIRECT - None
- 1 - B.1. TOTAL

#### 2. ON-SITE SEWAGE DEFICIENCIES

- 0 - CONTRIBUTES POLLUTION, DIRECT - None
- 0 - CONTRIBUTES POLLUTION, INDIRECT - None
- 0 - CP (Kitchen or Laundry Wastes), Direct - None
- 0 - CP (Kitchen or Laundry Wastes), Indirect - None
- 0 - NO FACILITIES, DIRECT - None
- 0 - NO FACILITIES, INDIRECT - None
- 0 - B.2. TOTAL

#### 3. POTENTIAL POLLUTION

- 1 - POTENTIAL POLLUTION - # 11

### SECTION C: NON-SEWAGE WASTE SITES

#### 1. INDUSTRIAL WASTE SITES

- 1 - DIRECT - # 12
- 1 - INDIRECT - # 12
- 2 - C.1. TOTAL

#### 2. SOLID WASTE DUMPSITES

- 0 - DIRECT - None
- 0 - INDIRECT - None
- 0 - C.2. TOTAL

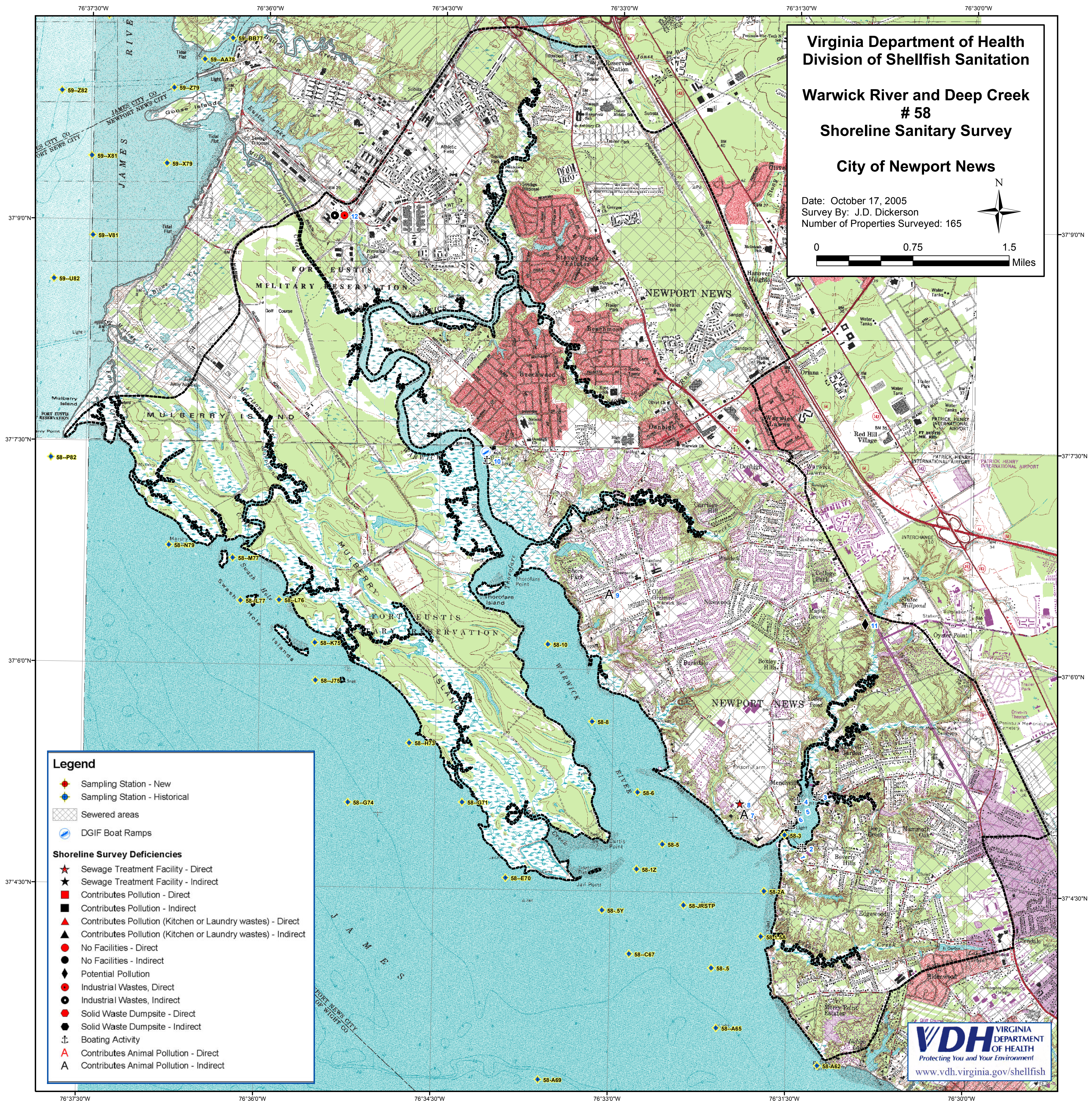
### SECTION D: BOATING ACTIVITY

- 4 - MARINAS - # 2, 3, 4, 6
- 1 - OTHER PLACES WHERE BOATS ARE MOORED - # 1
- 2 - UNDER SURVEILLANCE - # 5, 10
- 7 - D. TOTAL

### SECTION E: CONTRIBUTES ANIMAL POLLUTION

- 0 - DIRECT - None
- 2 - INDIRECT - # 7, 9
- 2 - E. TOTAL



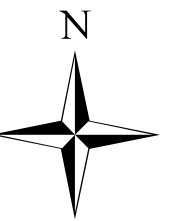


Virginia Department of Health  
Division of Shellfish Sanitation

Warwick River and Deep Creek  
# 58  
Shoreline Sanitary Survey

City of Newport News

Date: October 17, 2005  
Survey By: J.D. Dickerson  
Number of Properties Surveyed: 165



0 0.75 1.5  
Miles

Legend

- Sampling Station - New
- Sampling Station - Historical
- Sewered areas
- DGIF Boat Ramps

Shoreline Survey Deficiencies

- Sewage Treatment Facility - Direct
- Sewage Treatment Facility - Indirect
- Contributes Pollution - Direct
- Contributes Pollution - Indirect
- Contributes Pollution (Kitchen or Laundry wastes) - Direct
- Contributes Pollution (Kitchen or Laundry wastes) - Indirect
- No Facilities - Direct
- No Facilities - Indirect
- Potential Pollution
- Industrial Wastes, Direct
- Industrial Wastes, Indirect
- Solid Waste Dumpsite - Direct
- Solid Waste Dumpsite - Indirect
- Boating Activity
- Contributes Animal Pollution - Direct
- Contributes Animal Pollution - Indirect